

**PATENT CLAIMS**

1 - Particles comprising a core of calcium carbonate and a coating covering at least part of the surface of the core, the coating being carried out in at least two  
5 distinct consecutive steps, each step using a different coating agent.

2 - The particles of claim 1 comprising a first coating agent selected from alkylsulfates, sulfonic acids, carboxylic acids, their salts and their esters, fatty alcohols, polyhydric alcohols or mixture thereof, used in the first step, and a  
10 second coating agent selected from polyhydric alcohols, esters of carboxylic acids, or mixtures thereof, used in the second step.

3 - The particles of claim 2 wherein the carboxylic acid is a fatty acid and the polyhydric alcohol is a diol or a triol.

4 - The particles of claim 2 wherein the carboxylic acid is stearic acid, and the polyhydric alcohol is 1,2-ethanediol or glycerol.

15 5 - The particles of claim 2 wherein the carboxylic acid used as the first coating agent is a fatty acid and the ester of carboxylic acid used as second coating agent is a phthalic acid ester.

6 - Process for the preparation of particles conform to any one of claims 1 to 5, in which the particles are first brought into contact with a first coating agent  
20 and then a second coating agent is applied to the particles .

7 - Process according to Claim 6 wherein, the second coating agent is applied in liquid, dissolved, solid or gas form.

8 - Use of the particles according to any of the claims 1 to 5 as a filler.

9 - The use according to claim 8 in rubbers, inks, plastisols, sealants,  
25 papers, paints, coatings, pharmaceuticals, foods and cosmetics.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/050232

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08K3/26 C08K9/04 C09C1/02 C09K3/10 C09D7/12  
C01F11/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08K C09C C09K C09D C01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 24 11 219 A1 (KANZAKI PAPER MANUFACTURING CO., LTD.; TOKIO; KANZAKI PAPER MANUFACTUR) 12 September 1974 (1974-09-12) page 6, lines 5-19; claims 1,8	1,2
X	GB 1 328 361 A (GENERAL ELECTRIC CO) 30 August 1973 (1973-08-30) example 10	1,2
X	DE 12 92 374 B (WYANDOTTE CHEMICALS CORP) 10 April 1969 (1969-04-10) column 4, lines 8-15	1,2
X	WO 02/055596 A (OMYA AG; HOPPLER, HANS, ULRICH; OCHSNER, EDWIN; FREY, DANIEL) 18 July 2002 (2002-07-18) claims 1,3,4,6	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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